

In the Claims

1-8. (cancelled)

9. (new) A filter element for a backflush filter device, comprising:

a filtration part through which contaminated fluid can flow in a filtering direction;

a capture device mounted adjacent the filtration part and including at least one rod-shaped magnet for removing magnetizable portions from the contaminated fluid before the contaminated fluid flows through the filtration part; and

a stripping ring movably mounted on said rod-shaped magnet for removing the magnetizable portions held on said rod-shaped magnet as said ring is moved by backflushing fluid flow during backflushing.

10. (new) A filter element according to claim 9 wherein

said rod-shaped magnet comprises a permanent magnet.

11. (new) A filter element according to claim 9 wherein

said rod-shaped magnet comprises an electromagnet.

12. (new) A filter element according to claim 9 wherein

said rod-shaped magnet extends along a longitudinal axis of said filtration part.

13. (new) A filter element according to claim 11 wherein

said stripping ring is moved while said electromagnet is de-energized.

14. (new) A filter element according to claim 9 wherein
said filtration part is conical, and has a structural length at least ten times greater than a
largest passage cross section therein.

15. (new) A filter element according to claim 9 wherein
said filtration part is a slotted hole screen tubular filter element.

16. (new) A filter element according to claim 9 wherein
said rod-shaped magnet extends along one-half of a length of said filtration part adjacent
an end thereof providing a fluid entry and having a greatest passage cross section.

17. (new) A filter element according to claim 9 wherein
said stripping ring is annular and surrounds said rod-shaped magnet loosely;
in a rest position said stripping ring is located on a base part of said rod-shaped magnet;
and
during a filtering operation said stripping ring is positioned at an axial distance on said
rod-shaped magnet from said base part.

18. (new) A filter element according to claim 9 wherein
said rod-shaped magnet has two axially spaced stops, said stripping ring being axially
movable on said rod-shaped magnet between said stops.

19. (new) A filter element according to claim 9 wherein

said filtration part is porous and extends along a filtration part longitudinal axis with a contaminated fluid inlet at one axial end thereof and outlet passages in lateral sides thereof;

said rod-shaped magnet extends within said filtration part along a magnet longitudinal axis; and

said stripping ring loosely surrounds said rod-shaped magnet and is movable along said magnet longitudinal axis in response to fluid flow through said filtration part.

20. (new) A filter element according to claim 19 wherein

said filtration part longitudinal axis and said magnet longitudinal axis are coaxial.

21. (new) A filter element according to claim 20 wherein

said rod-shaped magnet has two axially spaced stops, said stripping ring being axially movable on said rod-shaped magnet between said stops.

22. (new) A filter element according to claim 19 wherein

said rod-shaped magnet has two axially spaced stops, said stripping ring being axially movable on said rod-shaped magnet between said stops.

23. (new) A filter element according to claim 19 wherein

said filtration part is a circular cylinder.

24. (new) A filter element according to claim 19 wherein

said filtration part is frustoconical.

25. (new) A filter element according to claim 19 wherein

said rod-shaped magnet extends along one-half of a length of said filtration part adjacent said one axial end thereof.

26. (new) A filter element according to claim 9 wherein

said rod-shaped magnet is fixedly mounted in said filtration part.

27. (new) A filter element according to claim 9 wherein

said stripping ring is movable relative to said rod-shaped magnet and said filtration part.